

METHOD AND SYSTEM FOR MAPPING ADDRESSING OF SCSI
DEVICES BETWEEN STORAGE AREA NETWORKS

ABSTRACT OF THE INVENTION.

The present invention provides a method and system
for mapping addressing of SCSI devices between two SANs
5 connected by a SAN extender over a packet-based network
with use of a Fibre channel protocol over large
distances. The present invention seamlessly
interconnects graphically distinct SANs such that they
operate as if they were local to one another by
10 providing a means to generically and dynamically map
SCSI device addresses between two SANs. The present
invention provides a method and system for accessing a
device from a host, wherein the host and device are in
separate SANs interconnected by a transport layer, and
15 wherein the interface between said transport layer and
each of said SANs is a node. This method comprises, at
each node, the steps of: mapping the device address
into an intermediary device identifier, and mapping the
intermediary device identifier into an address
20 accessible by the host. Each node can be a Fibre
channel-to-SCSI router, and the intermediary device
identifier can comprise a node identifier and a generic
device identifier. The transport layer can be a
packet-based network.